

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for managing shared resources in a logical partitioned data processing system, the method comprising:

granting, by a server partition in the logical partitioned data processing system, a logical resource to a client partition in the logical partitioned data processing system; ~~, wherein the logical resource corresponds to a physical resource; and~~

~~communicating an identifier from the server partition to the client partition; and
responsive to the client partition accepting the identifier, mapping, by the client partition, the logical resource into a logical address space of the client partition, wherein the mapping is performed by the client partition, to the physical resource.~~

2. (Currently Amended) The method of claim 1, further comprising:

~~generating [[an]] the identifier for the logical resource, wherein the identifier is generated by a hypervisor.~~

3. (Original) The method of claim 2, wherein the identifier is unique within the client partition.

4. (Original) The method of claim 2, wherein the identifier cannot be used to access the logical resource outside the client partition.

5. (Original) The method of claim 1, further comprising:

returning, by the client partition, the logical resource to the server partition.

6. (Original) The method of claim 5, further comprising:

rescinding, by the server partition, the logical resource.

7. (Original) The method of claim 1, further comprising:

responsive to a determination, at the server partition, that the client partition is incapable of gracefully returning the logical resource, performing a forced rescind operation.

8. (Original) The method of claim 7, further comprising:
preventing translation tables in the client partition from containing references to a physical address of the logical resource.
9. (Original) The method of claim 1, further comprising:
responsive to a failure of the server partition, notifying the client partition of the failure of the server partition;
recovering outstanding shared logical resources for the server partition; and
restarting the server partition.
10. (Original) The method of claim 9, further comprising:
delaying for a period of time prior to the step of recovering the outstanding shared logical resources for the server partition.
11. (Currently Amended) A logical partitioned data processing system, comprising:
a server partition;
at least one client partition; and
a hypervisor, wherein the hypervisor performs functions and services for partitions to create and enforce partitioning of the logical partitioned data processing system, wherein the server partition grants access to a logical resource to the at least one client partition, wherein the server partition communicates an identifier to the at least one client partition, wherein the logical resource corresponds to a physical resource, and wherein a sharing client partition, within the at least one client partition, maps the logical resource into a logical address space of the sharing client partition in response to accepting the identifier, to the physical resource.
12. (Currently Amended) The logical partitioned data processing system of claim 11, wherein the hypervisor generates [[an]] the identifier for the logical resource.
13. (Original) The logical partitioned data processing system of claim 12, wherein the identifier is unique within the sharing client partition.
14. (Original) The logical partitioned data processing system of claim 12, wherein the identifier cannot be used to access the logical resource outside the sharing client partition.

15. (Original) The logical partitioned data processing system of claim 11, wherein the sharing client partition returns the logical resource to the server partition.

16. (Original) The logical partitioned data processing system of claim 15, wherein the server partition rescinds the logical resource.

17. (Original) The logical partitioned data processing system of claim 11, wherein the server partition, responsive to a determination that the sharing client partition is incapable of gracefully returning the logical resource, performs a forced rescind operation.

18. (Original) The logical partitioned data processing system of claim 17, wherein the hypervisor, responsive to the forced rescind operation, prevents translation tables in the sharing client partition from containing references to a physical address of the logical resource.

19. (Original) The logical partitioned data processing system of claim 11, wherein the hypervisor, responsive to a failure of the server partition, notifies the sharing client partition of the failure of the server partition, recovers outstanding shared logical resources for the server partition, and restarts the server partition.

20. (Original) The logical partitioned data processing system of claim 19, wherein the hypervisor delays for a period of time prior to recovering the outstanding shared logical resources for the server partition.

21. (Currently Amended) A computer program product for managing shared resources in a logical partitioned data processing system, the computer program product comprising:
instructions for granting, by a server partition in the logical partitioned data processing system, a logical resource to a client partition in the logical partitioned data processing system; ~~, wherein the logical resource corresponds to a physical resource;~~ and
instructions for communicating an identifier from the server partition to the client partition; and
instructions, responsive to the client partition accepting the identifier, for mapping, by the client partition, the logical resource into a logical address space of the client partition, wherein the mapping is performed by the client partition, to the physical resource.